

WHAT IS CLAIMED IS:

1. DNA encoding a TADG-14 protein selected from the group consisting of:

- (a) isolated DNA which encodes a TADG-14 protein;
- (b) isolated DNA which hybridizes to isolated DNA of (a) above and which encodes a TADG-14 protein; and
- (c) isolated DNA differing from the isolated DNAs of (a) and (b) above in codon sequence due to the degeneracy of the genetic code, and which encodes a TADG-14 protein.

2. The DNA of claim 1, wherein said DNA has the sequence shown in SEQ ID No. 6.

3. The DNA of claim 1, wherein said TADG-14 protein has the amino acid sequence shown in SEQ ID No. 7.

4. A vector capable of expressing the DNA of claim 1 adapted for expression in a recombinant cell and regulatory elements necessary for expression of the DNA in the cell.

5. The vector of claim 4, wherein said DNA encodes a TADG-14 protein having the amino acid sequence shown in SEQ ID No. 7.

5

6. A host cell transfected with the vector of claim 4, said vector expressing a TADG-14 protein.

10

7. The host cell of claim 6, wherein said cell is selected from group consisting of bacterial cells, mammalian cells, plant cells and insect cells.

15

8. The host cell of claim 7, wherein said bacterial cell is *E. coli*.

20

9. Isolated and purified TADG-14 protein coded for by DNA selected from the group consisting of:

- (a) isolated DNA which encodes a TADG-14 protein;
- (b) isolated DNA which hybridizes to isolated DNA of (a) above and which encodes a TADG-14 protein; and

38

51

(c) isolated DNA differing from the isolated DNAs of (a) and (b) above in codon sequence due to the degeneracy of the genetic code, and which encodes a TADG-14 protein.

5 10. The isolated and purified TADG-14 protein of claim  
d<sub>9</sub> having the amino acid sequence shown in SEQ ID No. 7.

11. A method of detecting expression of the protein of claim 1, comprising the steps of:

(a) contacting mRNA obtained from the cell with the labeled hybridization probe; and

(b) detecting hybridization of the probe with the mRNA.

08915659 082197  
267280 6957680

39  
52